

chain nodes :
13 15 16 17 25

ring nodes :

1 2 3 4 5 6 8 9 10 11 12

chain bonds :

5-8 13-25

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-12 9-10 10-11 11-12

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-8 8-9 8-12 9-10 10-11 11-12 13-25

isolated ring systems :
containing 1 : 8 :

G1:C,N

G2:[*1], [*2], [*3]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:Atom 16:Atom 17:Atom 25:CLASS

Generic attributes :

15:

Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : less than 2
Type of Ring System : Monocyclic

16:

Saturation : Unsaturated
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : 2 or more
Type of Ring System : Monocyclic

17:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7
Number of Hetero Atoms : less than 2
Type of Ring System : Monocyclic

Element Count :

Node 15: Limited
C,C4
S,S1
O,OO
N,NO

Node 16: Limited
C,C2-3
O,OO-1
S,S0-1
N,N1-2

Node 17: Limited
C,C5
N,N1
O,OO
S,S0

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

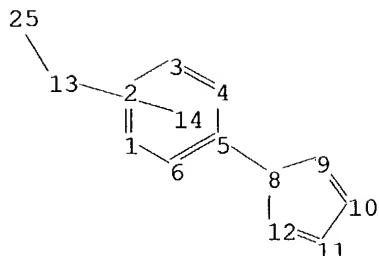
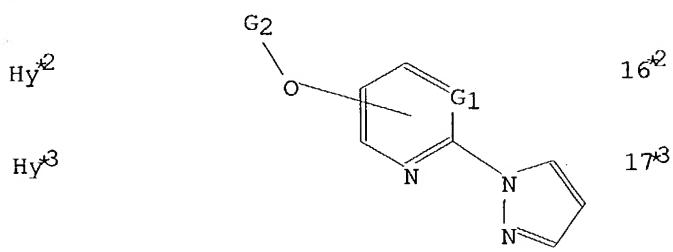
=> screen 1840

L1 SCREEN CREATED

=> screen 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047

L2 SCREEN CREATED

=>
Uploading C:\Program Files\Stnexp\Queries\10627573.str
Hy^{*1} 15^{*1}



chain nodes :
13 15 16 17 25

ring nodes :

1 2 3 4 5 6 8 9 10 11 12

chain bonds :

5-8 13-25

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-12 9-10 10-11 11-12

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-8 8-9 8-12 9-10 10-11 11-12 13-25

isolated ring systems :

containing 1 : 8 :

G1:C,N

G2:[*1],[*2],[*3]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:CLASS 14:CLASS 15:Atom 16:Atom 17:Atom 25:CLASS

Generic attributes :

15:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7
 Number of Hetero Atoms : less than 2
 Type of Ring System : Monocyclic
 16:
 Saturation : Unsaturated
 Number of Carbon Atoms : less than 7
 Number of Hetero Atoms : 2 or more
 Type of Ring System : Monocyclic
 17:
 Saturation : Unsaturated
 Number of Carbon Atoms : less than 7
 Number of Hetero Atoms : less than 2
 Type of Ring System : Monocyclic

Element Count :
 Node 15: Limited
 C,C4
 S,S1
 O,OO
 N,NO

Node 16: Limited
 C,C2-3
 O,OO-1
 S,S0-1
 N,N1-2

Node 17: Limited
 C,C5
 N,N1
 O,OO
 S,S0

L3 STRUCTURE UPLOADED

=> que L3 AND L1 NOT L2

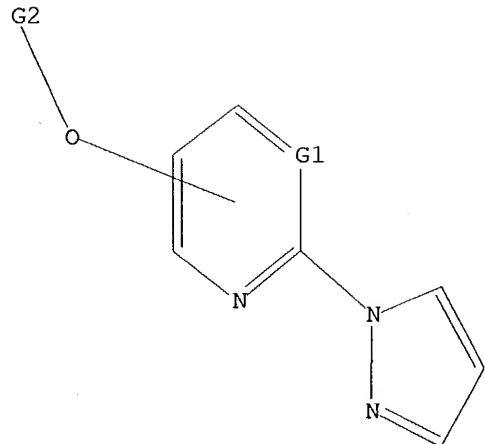
L4 QUE L3 AND L1 NOT L2

=> d 14
 L4 HAS NO ANSWERS
 L1 SCR 1840
 L2 SCR 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047
 L3 STR

Hy 1

Hy 2

Hy 3



G1 C,N

G2 [@1],[@2],[@3]

Structure attributes must be viewed using STN Express query preparation.
 L4 QUE L3 AND L1 NOT L2

=> s 14 sss sam
 SAMPLE SEARCH INITIATED 17:48:11 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 430 TO ITERATE

100.0% PROCESSED 430 ITERATIONS 2 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 7356 TO 9844
 PROJECTED ANSWERS: 2 TO 124

L5 2 SEA SSS SAM L3 AND L1 NOT L2

=> => s 14 sss ful
 FULL SEARCH INITIATED 17:48:38 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 9041 TO ITERATE

100.0% PROCESSED 9041 ITERATIONS 37 ANSWERS
 SEARCH TIME: 00.00.01

L6 37 SEA SSS FUL L3 AND L1 NOT L2

=> => s 16
 L7 9 L6

=> d 17 1-9 bib,ab,hitstr

L7 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2004:95353 CAPLUS
 DN 140:146161
 TI Preparation of (4-trifluormethylpyrazolyl)pyrimidines and pyridines as herbicides
 IN Hoffmann, Michael Gerhard; Helmke, Hendrik; Willms, Lothar; Auler, Thomas;
 Bieringer, Hermann; Menne, Hubert
 PA Bayer CropScience G.m.b.H., Germany
 SO Ger. Offen., 54 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

*Common
AppT.*

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 10234876	A1	20040205	DE 2002-10234876	20020725
WO 2004013129	A1	20040212	WO 2003-EP7574	20030714
W: AE, AG, AL, AM, AU, AZ, BA, BB, BR, BY, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GE, HR, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NI, NO, NZ, OM, PG, PH, PL, RU, SC, SG, SY, TJ, TM, TN, TT, UA, US, UZ, VC, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004082475	A1	20040429	US 2003-627256	20030724 ←

PRAI DE 2002-10234876 A 20020725

OS MARPAT 140:146161

AB Title compds. [I; Z = N, CR8; Q = Q1-Q6; R1, R2 = H, halo, (iso)cyan, OH, CO₂R10, COR10, CH₂OH, CH₂SH, CH₂NH₂, NO₂, CSNH₂, CONH₂, (halo)alkyl, etc.; R3, R4 = H, halo, cyano, (halo)alkyl, (halo)alkoxy; R5 = halo, cyano, (halo)alkyl, (halo)alkoxy, haloalkylthio, etc.; R6 = H, cyano, (halo)alkyl, (halo)alkoxy, S(O)nR9; R7 = alkyl, R8 = H, halo, cyano, NO₂, alkyl, alkoxy, OH, amino, alkylamino, etc; R9 = H, (halo)alkyl; R10 = H, alkyl; n = 0-2], were prepared Thus, a mixture of 5-methyl-4-methylsulfonyl-2-(4-trifluoromethyl-1H-pyrazol-1-yl)pyrimidine, 3-trifluoromethylphenol, and K₂CO₃ in DMF was stirred for 24 h at room temperature to give 72% 5-methyl-4-(3-trifluoromethylphenoxy)-2-(4-trifluoromethyl-1H-pyrazol-1-yl)pyrimidine. The latter at 20 g/ha gave 90% preemergent control of Alopecurus myosuroides, Amaranthus retroflexus, Setaria viridis, and Veronica persica.

IT 340690-18-8P 653593-14-7P 653593-15-8P

653593-17-0P 653593-18-1P 653593-19-2P

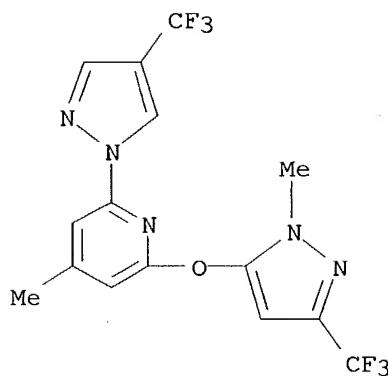
653593-20-5P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

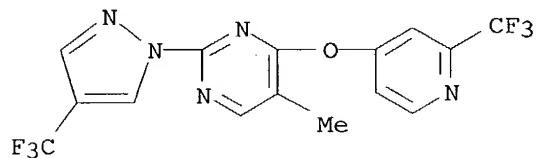
(preparation of (trifluormethylpyrazolyl)pyrimidines and pyridines as herbicides)

RN 340690-18-8 CAPLUS

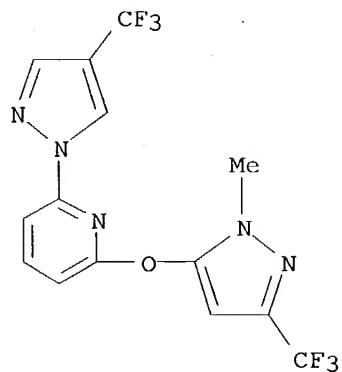
CN Pyridine, 4-methyl-2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-[4-(trifluoromethyl)-1H-pyrazol-1-yl]-(9CI) (CA INDEX NAME)



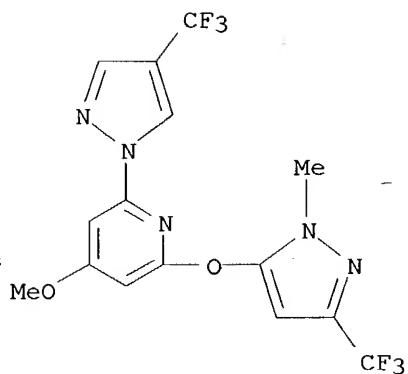
RN 653593-14-7 CAPLUS
 CN Pyrimidine, 5-methyl-2-[4-(trifluoromethyl)-1H-pyrazol-1-yl]-4-[(2-(trifluoromethyl)-4-pyridinyl)oxy]- (9CI) (CA INDEX NAME)



RN 653593-15-8 CAPLUS
 CN Pyridine, 2-[(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)oxy]-6-[(4-(trifluoromethyl)-1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)

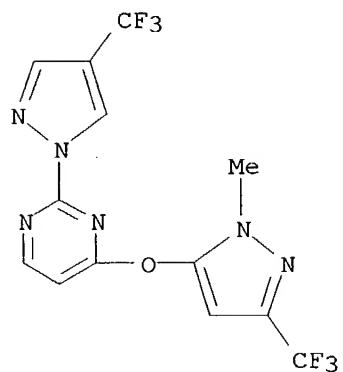


RN 653593-17-0 CAPLUS
 CN Pyridine, 4-methoxy-2-[(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)oxy]-6-[(4-(trifluoromethyl)-1H-pyrazol-1-yl)- (9CI) (CA INDEX NAME)



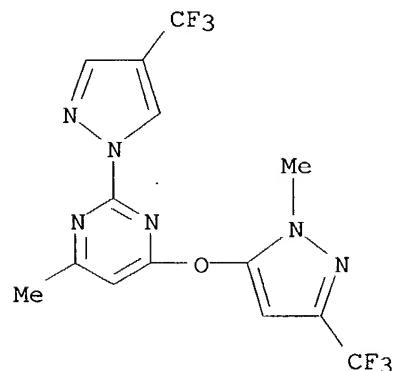
RN 653593-18-1 CAPLUS

CN Pyrimidine, 4-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-2-[4-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 653593-19-2 CAPLUS

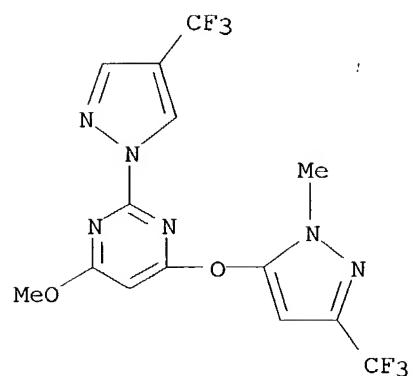
CN Pyrimidine, 4-methyl-6-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-2-[4-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 653593-20-5 CAPLUS

CN Pyrimidine, 4-methoxy-6-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-

yl]oxy]-2-[4-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

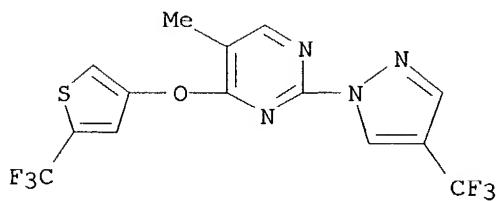


L7 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2004:95352 CAPLUS
 DN 140:146160
 TI Preparation of (4-trifluormethylpyrazolyl)pyridines and pyrimidines as herbicides
 IN Hoffmann, Michael Gerhard; Helmke, Hendrik; Willms, Lothar; Auler, Thomas;
 Bieringer, Hermann; Menne, Hubert
 PA Bayer CropScience G.m.b.H., Germany
 SO Ger. Offen., 29 pp.
 CODEN: GWXXBX

DT Patent
 LA German

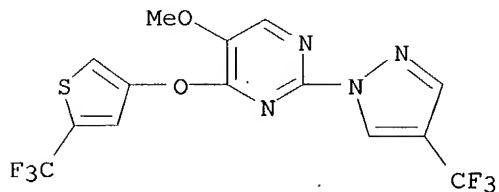
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10234875 WO 2004013131 WO 2004013131	A1 A2 A3	20040205 20040212 20040506	DE 2002-10234875 WO 2003-EP7573	20020725 20030714
	W: AE, AG, AL, AM, AU, AZ, BA, BB, BR, BY, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GE, HR, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NI, NO, NZ, OM, PG, PH, PL, RU, SC, SG, SY, TJ, TM, TN, TT, UA, US, UZ, VC, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2004072692	A1	20040415	US 2003-627573	20030724
OS	DE 2002-10234875	A	20020725		
AB	Title compds. [I; Z = N, CR8; A = 3-thienyl, substituted 5-6 membered heterocyclyl; R1, R2 = H, halo, (iso)cyan, OH, CH2OH, CH2SH, CH2NH2, NO2, (halo)alkyl, cycloalkyl, etc.; R3, R4 = H, halo, cyano, (halo)alkyl, (halo)alkoxy; R8 = H, halo, cyano, OH, amino, alkyl, alkoxy, alkylamino, etc.], were prepared Thus, a mixture of 0.8 g 5-methyl-4-methylsulfonyl-2-(4-trifluoromethyl-3-thienyloxy)pyrimidine, 0.44 g 3-hydroxy-5-trifluoromethylthiophene, and K2CO3 in DMF was stirred for 6 h at 60° and 48 h at room temperature to give 0.5 g 5-methyl-2-(4-trifluoromethyl-1H-pyrazol-1-yl)-4-(5-trifluoromethyl-3-thienyloxy)pyrimidine. Several I at 20-80 g/ha gave 80% preemergent and 90% postemergent control of Digitaria sanguinalis and Veronica persica.				
IT	653601-76-4P 653601-78-6P 653601-81-1P RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of (trifluormethylpyrazolyl)pyridines and pyrimidines as herbicides)				
RN	653601-76-4 CAPLUS				
CN	Pyrimidine, 5-methyl-2-[4-(trifluoromethyl)-1H-pyrazol-1-yl]-4-[(5-(trifluoromethyl)-3-thienyl]oxy] (9CI) (CA INDEX NAME)				



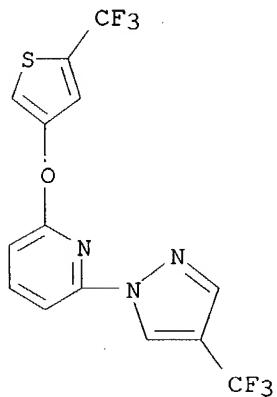
RN 653601-78-6 CAPLUS

CN Pyrimidine, 5-methoxy-2-[4-(trifluoromethyl)-1H-pyrazol-1-yl]-4-[(5-(trifluoromethyl)-3-thienyl)oxy]- (9CI) (CA INDEX NAME)



RN 653601-81-1 CAPLUS

CN Pyridine, 2-[4-(trifluoromethyl)-1H-pyrazol-1-yl]-6-[(5-(trifluoromethyl)-3-thienyl)oxy]- (9CI) (CA INDEX NAME)



L7 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2003:221684 CAPLUS
 DN 138:238179
 TI Preparation of [2-(1H-pyrazol-1-yl)](thienyloxy)pyridines as herbicides
 IN Hofmann, Michael; Parra Rapado, Liliana; Von Deyn, Wolfgang; Baumann,
 Ernst; Kordes, Markus; Misslitz, Ulf; Witschel, Matthias; Zagar, Cyrill;
 Landes, Andreas
 PA BASF Aktiengesellschaft, Germany
 SO PCT Int. Appl., 56 pp.
 CODEN: PIXXD2

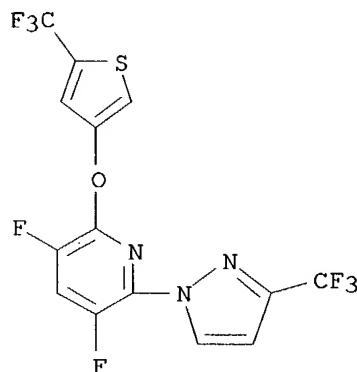
Common Inv.

DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003022843	A1	20030320	WO 2002-EP9750	20020831
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1427725	A1	20040616	EP 2002-797941	20020831
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
PRAI	DE 2001-10144185	A	20010907		
	WO 2002-EP9750	W	20020831		
OS	MARPAT 138:238179				
AB	The title compds. [I; R1, R3 = H, halo, cyano, NO ₂ , alkyl, haloalkyl, alkoxy, haloalkoxy; R2 = H, halo, cyano, alkenyl, alkynyl, haloalkyl, haloalkenyl, haloalkynyl, alkoxy, alkenyloxy, alkynyoxy, haloalkoxy, alkoxyalkyl, alkylamino, dialkylamino, alkylthio, haloalkylthio, alkylsulfinyl, haloalkylsulfinyl, alkylsulfonyl, haloalkylsulfonyl, COR7; R4-R6 = H, halo, cyano, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfonyl, haloalkylsulfonyl; R7 = H, OH, alkyl, alkoxy, amino, alkylamino, dialkylamino], were prepared as herbicides (no data). Thus, a mixture of 3-hydroxy-5-trifluoromethylthiophene, 4-cyano-2-methylsulfonyl-6-(3-trifluoromethyl-1H-pyrazol-1-yl)pyridine (preparation given), and K ₂ CO ₃ in DMF was stirred for 7 h at 80° and for 72 h at room temperature to give 76% 4-cyano-6-(3-trifluoromethyl-1H-pyrazol-1-yl)-2-(5-trifluoromethyl-3-thienyloxy)pyridine.				
IT	501676-73-9P, 3,5-Difluoro-2-(3-trifluoromethyl-1H-pyrazol-1-yl)-6-(5-trifluoromethyl-3-thienyloxy)pyridine 501676-75-1P, 4-Methoxy-6-(3-trifluoromethyl-1H-pyrazol-1-yl)-2-(5-trifluoromethyl-3-thienyloxy)pyridine 501676-79-5P, 4-Cyano-6-(3-trifluoromethyl-1H-pyrazol-1-yl)-2-(5-trifluoromethyl-3-thienyloxy)pyridine 501676-83-1P, 3-Methyl-6-(3-trifluoromethyl-1H-pyrazol-1-yl)-2-(5-trifluoromethyl-3-thienyloxy)pyridine 501676-84-2P 501676-85-3P 501676-86-4P 501676-88-6P				
	RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(preparation of (pyrazolyl)(thienyloxy)pyridines as herbicides)				

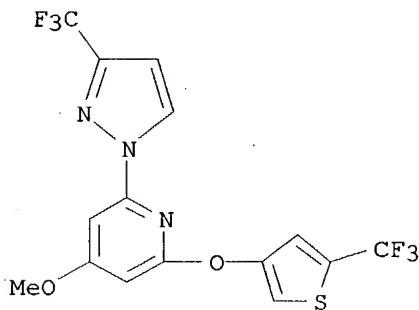
RN 501676-73-9 CAPLUS

CN Pyridine, 3,5-difluoro-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-6-[[5-(trifluoromethyl)-3-thienyl]oxy]- (9CI) (CA INDEX NAME)



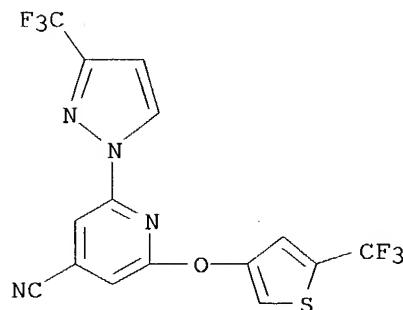
RN 501676-75-1 CAPLUS

CN Pyridine, 4-methoxy-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-6-[[5-(trifluoromethyl)-3-thienyl]oxy]- (9CI) (CA INDEX NAME)



RN 501676-79-5 CAPLUS

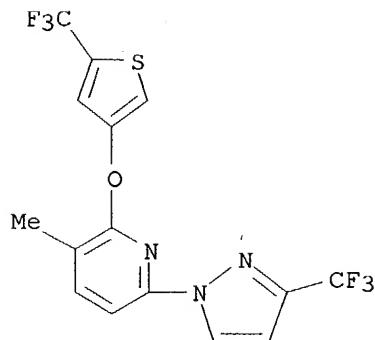
CN 4-Pyridinecarbonitrile, 2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-6-[[5-(trifluoromethyl)-3-thienyl]oxy]- (9CI) (CA INDEX NAME)



RN 501676-83-1 CAPLUS

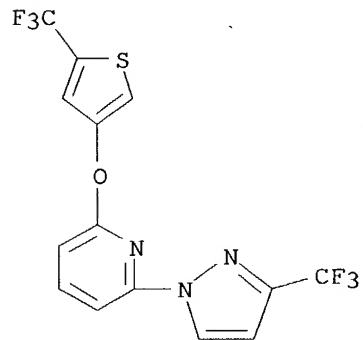
CN Pyridine, 3-methyl-6-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-2-[[5-

(trifluoromethyl)-3-thienyl]oxy]- (9CI) (CA INDEX NAME)



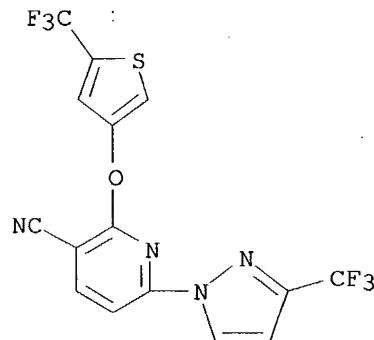
RN 501676-84-2 CAPLUS

CN Pyridine, 2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-6-[(5-(trifluoromethyl)-3-thienyl)oxy]- (9CI) (CA INDEX NAME)



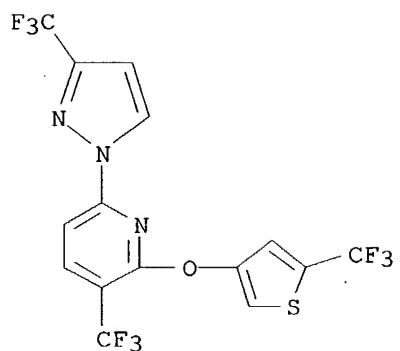
RN 501676-85-3 CAPLUS

CN 3-Pyridinecarbonitrile, 6-[(3-(trifluoromethyl)-1H-pyrazol-1-yl)-2-(5-(trifluoromethyl)-3-thienyl)oxy]- (9CI) (CA INDEX NAME)



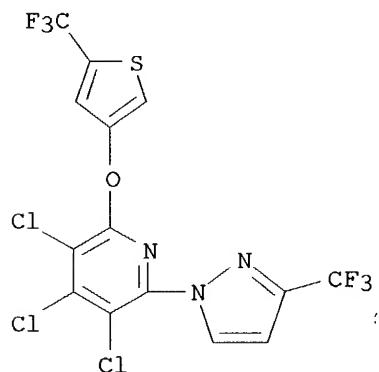
RN 501676-86-4 CAPLUS

CN Pyridine, 3-(trifluoromethyl)-6-[(3-(trifluoromethyl)-1H-pyrazol-1-yl)-2-(5-(trifluoromethyl)-3-thienyl)oxy]- (9CI) (CA INDEX NAME)



RN 501676-88-6 CAPLUS

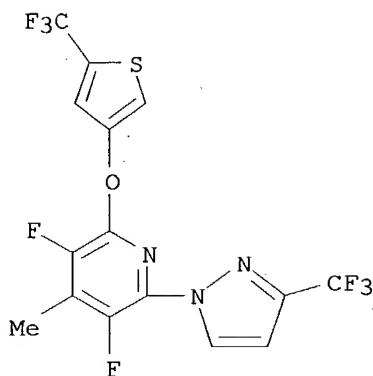
CN Pyridine, 3,4,5-trichloro-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-6-[[5-(trifluoromethyl)-3-thienyl]oxy]- (9CI) (CA INDEX NAME)



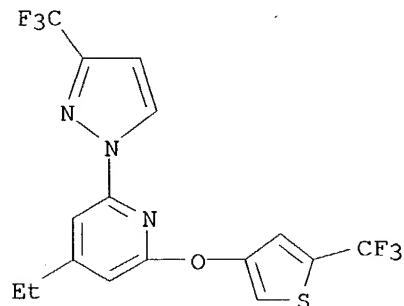
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:221672 CAPLUS
DN 138:238178
TI Preparation of [2-(1H-pyrazol-1-yl)](thienyloxy)pyridines as herbicides
IN Hofmann, Michael; Parra Rapado, Liliana; Von Deyn, Wolfgang; Baumann,
Ernst; Kordes, Markus; Misslitz, Ulf; Witschel, Matthias; Zagar, Cyrill;
Landes, Andreas
PA BASF Aktiengesellschaft, Germany
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

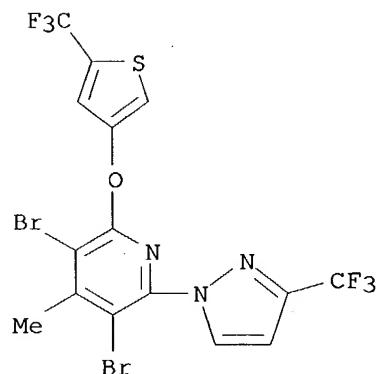
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003022831	A1	20030320	WO 2002-EP9751	20020831
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	
	EP 1427719	A1	20040616	EP 2002-762468	20020831
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	US 2004198609	A1	20041007	US 2004-487549	20040224
PRAI	DE 2001-10144073	A	20010907		
	WO 2002-EP9751	W	20020831		
OS	MARPAT 138:238178				
AB	The title compds. [I; R1, R3 = H, halo, cyano, NO ₂ , alkyl, haloalkyl, alkoxy, haloalkoxy; R2 = alkyl, cycloalkyl; R4-R6 = H, halo, cyano, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfonyl, haloalkylsulfonyl; whereby if R2, R3 = H then R1 ≠ Me], were prepared Thus, a mixture of 2,3,5-trifluoro-4-methyl-6-(5-trifluoromethyl-3-thienyloxy)pyridine (preparation given), 3-trifluoromethyl-1H-pyrazole, and K ₂ CO ₃ in DMF was heated up at 80° for 12 h to give 59% 3,5-difluoro-4-methyl-2-(3-trifluoromethyl-1H-pyrazol-1-yl)-6-(5-trifluoromethyl-3-thienyloxy)pyridine. The latter at 0.25 or 0.125 kg/ha was said to show very good postemergent herbicidal activity against Amaranthus retroflexus, Chenopodium album, Galium aparine, Pharbitis purpurea.				
IT	501682-20-8P , 3,5-Difluoro-4-methyl-2-(3-trifluoromethyl-1H-pyrazol-1-yl)-6-(5-trifluoromethyl-3-thienyloxy)pyridine 501682-23-1P , 4-Ethyl-2-(3-trifluoromethyl-1H-pyrazol-1-yl)-6-(5-trifluoromethyl-3-thienyloxy)pyridine 501682-24-2P				
	RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(preparation of (pyrazolyl)(thienyloxy)pyridines as herbicides)				
RN	501682-20-8 CAPLUS				
CN	Pyridine, 3,5-difluoro-4-methyl-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-6-[(5-(trifluoromethyl)-3-thienyl)oxy] - (9CI) (CA INDEX NAME)				



RN 501682-23-1 CAPLUS
 CN Pyridine, 4-ethyl-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-6-[(5-(trifluoromethyl)-3-thienyl)oxy]- (9CI) (CA INDEX NAME)



RN 501682-24-2 CAPLUS
 CN Pyridine, 3,5-dibromo-4-methyl-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-6-[(5-(trifluoromethyl)-3-thienyl)oxy]- (9CI) (CA INDEX NAME)

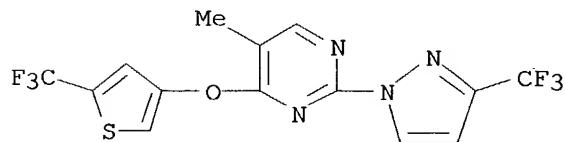


RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

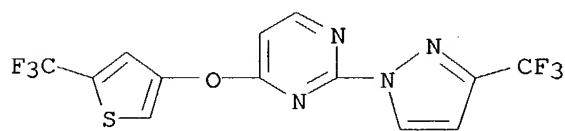
L7 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2003:154428 CAPLUS
 DN 138:187777
 TI Preparation of (heterocyclyl)(thienyloxy)pyrimidines as herbicides
 IN Parra Rapado, Liliana; Von Deyn, Wolfgang; Hofmann, Michael; Baumann, Ernst; Kordes, Markus; Misslitz, Ulf; Zagar, Cyrill; Witschel, Matthias; Landes, Andreas
 PA BASF Aktiengesellschaft, Germany
 SO PCT Int. Appl., 68 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003016308	A1	20030227	WO 2002-EP8451	20020730
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1421080	A1	20040526	EP 2002-764808	20020730
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	US 2004198758	A1	20041007	US 2004-486398	20040211
PRAI	DE 2001-10139404	A	20010817		
	WO 2002-EP8451	W	20020730		
OS	MARPAT 138:187777				
AB	Title compds. [I; W, X, Y, Z = N, at least one CR3; R1 = H, halo, cyano, alkyl, haloalkyl, alkoxy, haloalkoxy; R2 = H, halo, cyano, alkyl, alkenyl, alkynyl, haloalkyl, haloalkenyl, haloalkynyl, alkoxy, alkenyloxy, alkynyoxy, haloalkoxy, alkoxyalkyl, alkylamino, dialkylamino, alkylthio, haloalkylthio, alkylsulfinyl, haloalkylsulfinyl, alkylsulfonyl, haloalkylsulfonyl, CO2R7, CONR8R9; R3 = H, halo, cyano, NO2, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfonyl, CO2R7; R4-R6 = H, halo, cyano, alkyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfonyl, haloalkylsulfonyl; R7 = H, alkyl, alkenyl, alkynyl, haloalkyl; R8 = H, alkyl, alkenyl, alkynyl, alkoxy; R9 = H, alkyl, alkenyl, alkynyl], were prepared Thus, a mixture of 5-methyl-4-methylsulfonyl-2-(3-trifluoromethyl-1H-pyrazol-1-yl)pyrimidine (preparation given), 5-(trifluoromethyl)thiophene-3-ol, and Na2CO3 in DMF was stirred for 2 h at 25° to give 54% 5-methyl-2-(3-trifluoromethyl-1H-pyrazol-1-yl)-4-[(5-trifluoromethylthien-3-yl)oxyl]pyrimidine. The latter at 0.25 or 0.125 kg/ha was said to show very good postemergent herbicidal activity against Amaranthus retroflexus, Chenopodium album, Galium aparine, Pharbitis purpurea, and Polygonum persicaria.				
IT	401517-70-2P 498549-81-8P 498549-82-9P 498549-83-0P 498549-85-2P				
	RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(preparation of (heterocyclyl)(thienyloxy)pyrimidines as herbicides)				

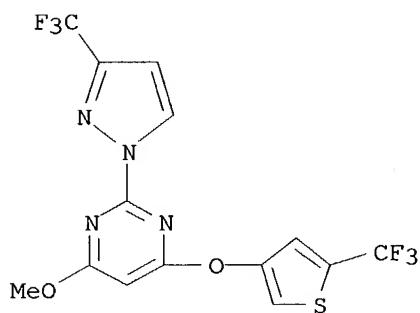
RN 401517-70-2 CAPLUS
 CN Pyrimidine, 5-methyl-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-4-[[5-(trifluoromethyl)-3-thienyl]oxy]- (9CI) (CA INDEX NAME)



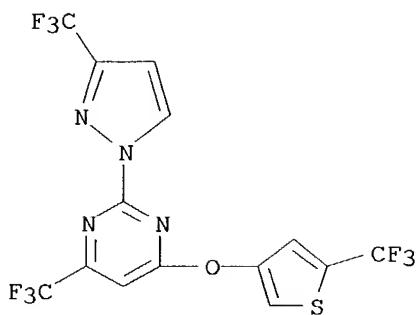
RN 498549-81-8 CAPLUS
 CN Pyrimidine, 2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-4-[[5-(trifluoromethyl)-3-thienyl]oxy]- (9CI) (CA INDEX NAME)



RN 498549-82-9 CAPLUS
 CN Pyrimidine, 4-methoxy-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-6-[[5-(trifluoromethyl)-3-thienyl]oxy]- (9CI) (CA INDEX NAME)

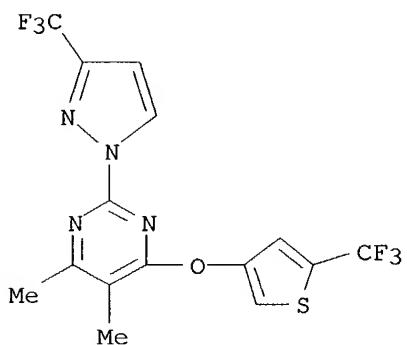


RN 498549-83-0 CAPLUS
 CN Pyrimidine, 4-(trifluoromethyl)-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-6-[[5-(trifluoromethyl)-3-thienyl]oxy]- (9CI) (CA INDEX NAME)



RN 498549-85-2 CAPLUS

CN Pyrimidine, 4,5-dimethyl-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-6-[(5-(trifluoromethyl)-3-thienyl]oxy]- (9CI) (CA INDEX NAME)



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:688553 CAPLUS
 DN 137:181107
 TI Herbicidal 2-aryloxy-4-methyl-6-pyrazol-1-yl-pyridines
 IN Maier, Thomas; Kleemann, Axel; Scheiblich, Stefan; Baltruschat, Helmut
 Siegfried
 PA BASF Aktiengesellschaft, Germany
 SO U.S., 9 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 6448204 B1 20020910 US 2000-708203 20001108

PRAI US 1999-166004P P 19991117

OS MARPAT 137:181107

AB Compds. I (A = (un)substituted aryl, (un)substituted 5- or 6-membered nitrogen- or sulfur-containing heteroarom., or difluorobenzodioxoly), or agriculturally acceptable salts or N-oxides thereof possess herbicidal activity and are used in herbicidal compns. together with an agronomically acceptable carrier.

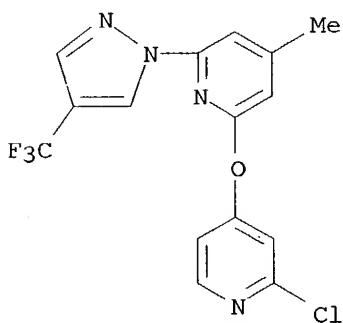
IT 340690-15-5 340690-16-6 340690-18-8

340690-20-2

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (herbicide)

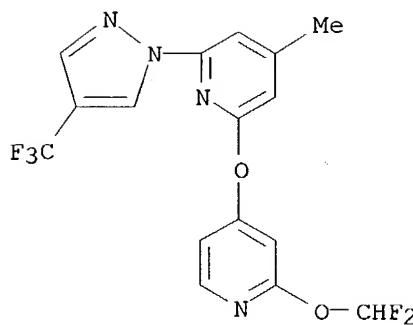
RN 340690-15-5 CAPLUS

CN Pyridine, 2-[(2-chloro-4-pyridinyl)oxy]-4-methyl-6-[4-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



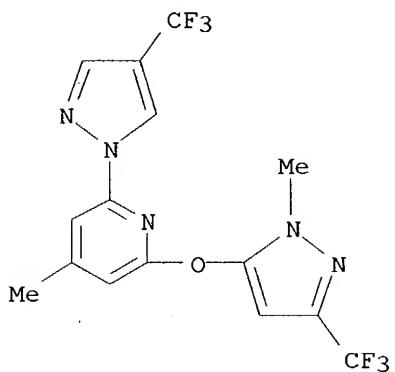
RN 340690-16-6 CAPLUS

CN Pyridine, 2-[(2-(difluoromethoxy)-4-pyridinyl)oxy]-4-methyl-6-[4-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



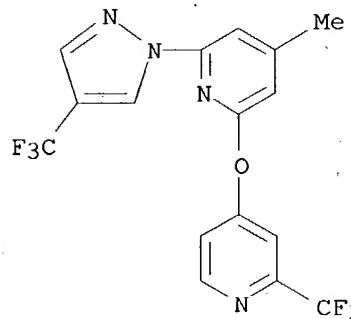
RN 340690-18-8 CAPLUS

CN Pyridine, 4-methyl-2-[(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)oxy]-6-[4-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 340690-20-2 CAPLUS

CN Pyridine, 4-methyl-2-[(4-(trifluoromethyl)-1H-pyrazol-1-yl)-6-(2-(trifluoromethyl)-4-pyridinyl)oxy]- (9CI) (CA INDEX NAME)

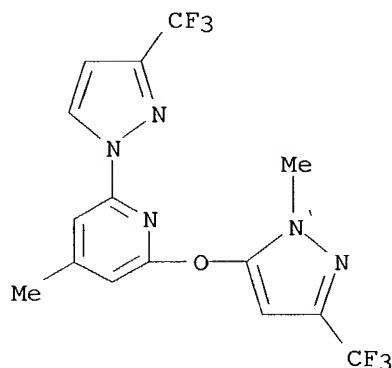


IT 340690-14-4P, 4-Methyl-2-(-3-trifluoromethyl-1H-pyrazol-1-yl)-6-(1-methyl-3-trifluoromethyl-pyrazol-5-yloxy)-pyridine

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

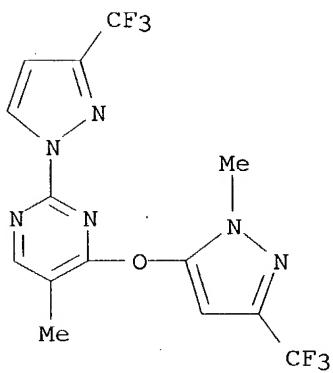
(preparation as herbicide)

RN 340690-14-4 CAPLUS
CN Pyridine, 4-methyl-2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-[3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

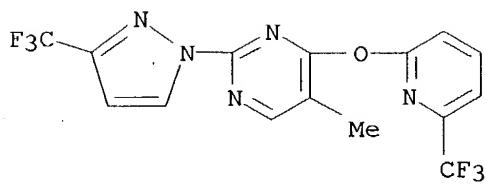


RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2001:915244 CAPLUS
 DN 136:200158
 TI N-azolyl phenoxyypyrimidine herbicides: novel inhibitors of carotenoid biosynthesis Part I
 AU Selby, Thomas P.; Drumm, Joseph E.; Coats, Reed A.; Coppo, Frank T.; Gee, Stephen K.; Hay, James V.; Pasteris, Robert J.; Stevenson, Thomas M.
 CS Stine-Haskell Research Center, DuPont Crop Protection, Newark, DE, 19714, USA
 SO ACS Symposium Series (2002), 800(Synthesis and Chemistry of Agrochemicals VI), 74-84.
 CODEN: ACSMC8; ISSN: 0097-6156
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 136:200158
 AB Substituted 2-azolyl-4-phenoxyypyrimidines represent a new family of highly active herbicides that act by inhibiting carotenoid biosynthesis. Azole substituents on the pyrimidine ring are nitrogen-linked and include pyrazole, imidazole, and triazole. These compds. are active preemergence and postemergence but tend to be more active preemergence. Selectivity was observed on wheat, corn, and soybeans. There was particular interest in these compds. as cereal herbicides for preemergent and early-postemergent weed control. High field efficacy was observed, particularly on broadleaf weeds. Pyrazolylpyrimidine I showed optimum activity in cereal field trials and gave excellent broadleaf weed control at rates as low as 5-10 g/ha, with good wheat safety. This paper will focus on chemical synthesis, biol., structure-activity relationships, mode-of-action, and field activity for compds. of this herbicide class.
 IT 213334-10-2P 213334-17-9P 401517-70-2P
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation and structure-activity relationships of herbicidal (azolyl)phenoxyypyrimidines)
 RN 213334-10-2 CAPLUS
 CN Pyrimidine, 5-methyl-4-[(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)oxy]-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-(9CI) (CA INDEX NAME)

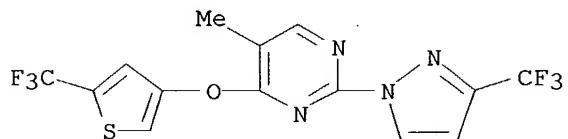


RN 213334-17-9 CAPLUS
 CN Pyrimidine, 5-methyl-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-4-[(6-(trifluoromethyl)-2-pyridinyl)oxy]-(9CI) (CA INDEX NAME)



RN 401517-70-2 CAPLUS

CN Pyrimidine, 5-methyl-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-4-[(5-(trifluoromethyl)-3-thienyl]oxy]- (9CI) (CA INDEX NAME)



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:376803 CAPLUS

DN 134:366871

TI Preparation of herbicidal 2-aryloxy-4-methyl-6-pyrazol-1-yl-pyridines

IN Maier, Thomas; Kleemann, Axel; Scheiblich, Stefan; Siegfried, Helmut

PA Basf Aktiengesellschaft, Germany

SO Eur. Pat. Appl., 16 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1101764	A1	20010523	EP 2000-125058	20001117
	EP 1101764	B1	20031022	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO	
	AT 252573	E	20031115	AT 2000-125058	20001117
PRAI	US 1999-441871	A	19991117		

OS MARPAT 134:366871

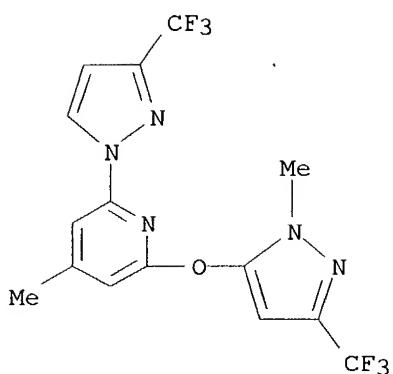
AB Title compds. (I) [wherein A = (un)substituted aryl, 5- or 6-membered N- or S-containing heteroarom., or difluorobenzodioxolyl] and compns. containing I were prepared and tested as herbicides. Thus, a mixture of 2,6-bis(1-methyl-3-trifluoromethylpyrazol-5-yloxy)-4-methylpyridine, 3-trifluoromethyl-1H-pyrazole, NaH, and sulfolan was heated at 80°C for 3 h to give I [A = 1-methyl-3-trifluoromethyl-1H-pyrazol-5-yl] (II). In pre-emergence herbicidal evaluations at 0.1 kg/ha, II controlled velvetweed, ragweed, sicklepod, deadnettle, mayweed, chickweed, blackgrass, crabgrass, barnyard grass, ryegrass, and foxtail with only slight effect on corn. In post-emergence tests at 0.1 kg/ha, II controlled twelve of thirteen weed species, while a comparison herbicide was active on only four species.

IT **340690-14-4P**, 4-Methyl-2-(3-trifluoromethyl-1H-pyrazol-1-yl)-6-(1-methyl-3-trifluoromethylpyrazol-5-yloxy)pyridine **340690-15-5P**, 2-(2-Chloropyrid-4-yloxy)-6-(4-trifluoromethylpyrazol-1-yl)-4-methylpyridine **340690-16-6P**, 2-(2-Difluoromethoxypyrid-4-yloxy)-6-(4-trifluoromethylpyrazol-1-yl)-4-methylpyridine **340690-18-8P**, 2-(1-Methyl-3-trifluoromethylpyrazol-5-yloxy)-6-(4-trifluoromethylpyrazol-1-yl)-4-methylpyridine **340690-20-2P**, 2-(2-Trifluoromethylpyrid-4-yloxy)-6-(4-trifluoromethylpyrazol-1-yl)-4-methylpyridine
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

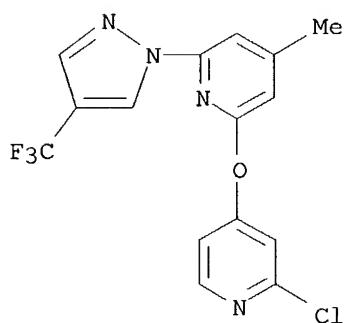
(preparation of herbicidal 2-aryloxy-4-methyl-6-pyrazol-1-yl-pyridines)

RN 340690-14-4 CAPLUS

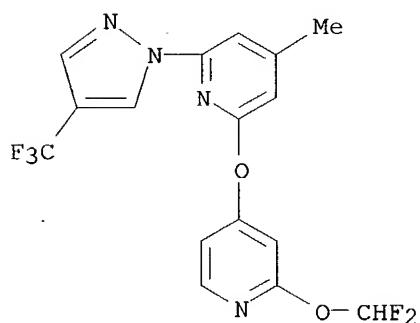
CN Pyridine, 4-methyl-2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-[3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



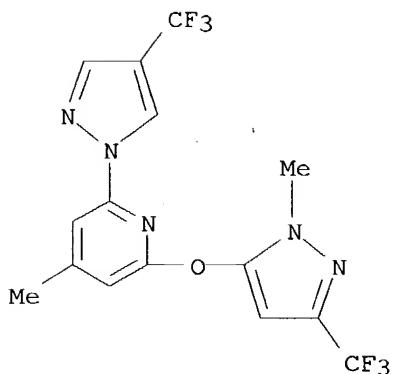
RN 340690-15-5 CAPLUS
 CN Pyridine, 2-[(2-chloro-4-pyridinyl)oxy]-4-methyl-6-[4-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 340690-16-6 CAPLUS
 CN Pyridine, 2-[[2-(difluoromethoxy)-4-pyridinyl]oxy]-4-methyl-6-[4-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)

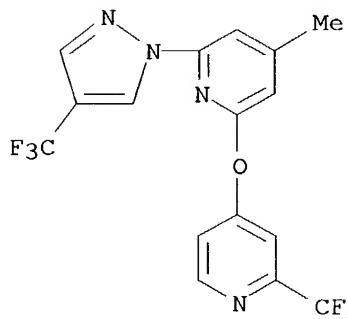


RN 340690-18-8 CAPLUS
 CN Pyridine, 4-methyl-2-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-6-[4-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



RN 340690-20-2 CAPLUS

CN Pyridine, 4-methyl-2-[4-(trifluoromethyl)-1H-pyrazol-1-yl]-6-[[2-(trifluoromethyl)-4-pyridinyl]oxy]- (9CI) (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1998:621213 CAPLUS

DN 129:245165

TI Preparation of heteroaryl azole herbicides

IN Selby, Thomas P.

PA E. I. Du Pont de Nemours & Co., USA

SO PCT Int. Appl., 107 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9840379	A1	19980917	WO 1998-US4600	19980309
	W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GW, HU, ID, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9868638	A1	19980929	AU 1998-68638	19980309
	AU 725548	B2	20001012		
	EP 970072	A1	20000112	EP 1998-914235	19980309
	R: DE, FR, GB, IT				
	BR 9815453	A	20011023	BR 1998-15453	19980309
	US 6172005	B1	20010109	US 1999-380425	19990901
PRAI	US 1997-39544P	P	19970311		
	WO 1998-US4600	W	19980309		

OS MARPAT 129:245165

AB The title compds. [I; J = (un)substituted Ph, pyridyl, pyrazolyl, etc.; W = N, CR9; X, Y, Z = N, CH, CR9 (provided that only one of X, Y and Z = CR9); Q = O, S(O)n, NR10; R1, R2 = H, halo, CN, etc.; R3 = H, halo, C1-4 alkoxy, etc.; R9 = halo, CN, C1-4 alkoxy, etc.; R10 = H, C1-4 alkyl, C1-4 haloalkyl; n = 0-2], useful for controlling undesired vegetation, were prepared. Thus, reaction of 2,6-dibromopyridine with 3-trifluoromethyl-1H-pyrazole in the presence of K₂CO₃ in DMF followed by reacting the resulting 2-bromo-6-(3-trifluoromethyl-1H-pyrazol-1-yl)pyridine with 3-trifluoromethylphenol in the presence of K₂CO₃ in DMF afforded I [W = CH; Q = O; J = 3-(F₃C)C₆H₄; R1 = R2 = H; R3 = CF₃; X = N; Y = Z = CH] which showed 100% control against blackgrass and crabgrass at 2000 g/ha in preemergence test.

IT 213334-10-2P 213334-12-4P 213334-13-5P

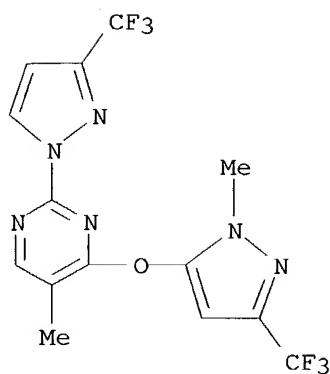
213334-14-6P 213334-15-7P 213334-17-9P

213334-18-0P

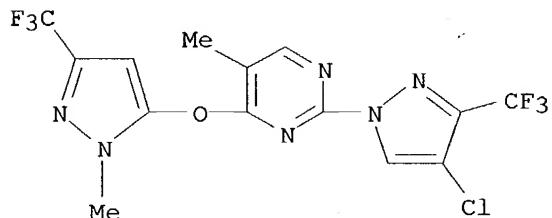
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of heteroaryl azole herbicides)

RN 213334-10-2 CAPLUS

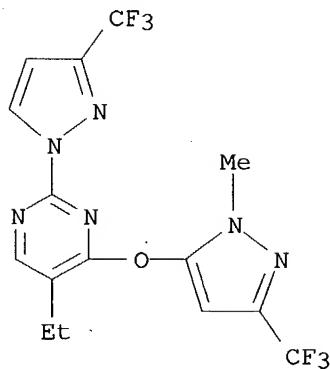
CN Pyrimidine, 5-methyl-4-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-(9CI) (CA INDEX NAME)



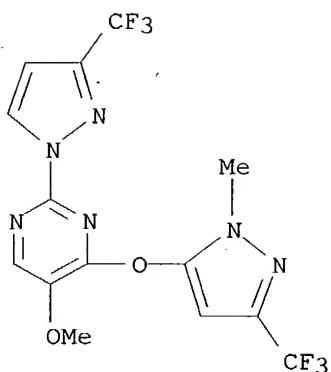
RN 213334-12-4 CAPLUS
 CN Pyrimidine, 2-[4-chloro-3-(trifluoromethyl)-1H-pyrazol-1-yl]-5-methyl-4-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)



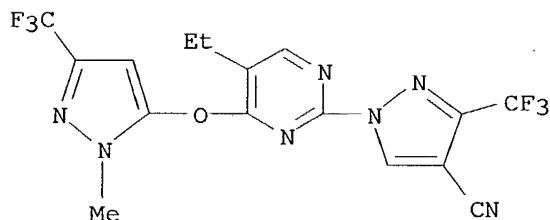
RN 213334-13-5 CAPLUS
 CN Pyrimidine, 5-ethyl-4-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



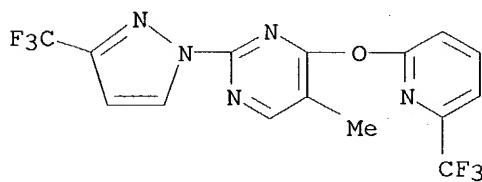
RN 213334-14-6 CAPLUS
 CN Pyrimidine, 5-methoxy-4-[[1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]- (9CI) (CA INDEX NAME)



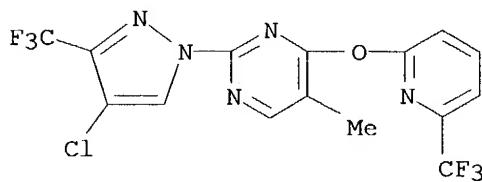
RN 213334-15-7 CAPLUS
 CN 1H-Pyrazole-4-carbonitrile, 1-[5-ethyl-4-[(1-methyl-3-(trifluoromethyl)-1H-pyrazol-5-yl)oxy]-2-pyrimidinyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 213334-17-9 CAPLUS
 CN Pyrimidine, 5-methyl-2-[3-(trifluoromethyl)-1H-pyrazol-1-yl]-4-[(6-(trifluoromethyl)-2-pyridinyl)oxy]- (9CI) (CA INDEX NAME)



RN 213334-18-0 CAPLUS
 CN Pyrimidine, 2-[4-chloro-3-(trifluoromethyl)-1H-pyrazol-1-yl]-5-methyl-4-[(6-(trifluoromethyl)-2-pyridinyl)oxy]- (9CI) (CA INDEX NAME)



10/627,573

=> => d his

(FILE 'HOME' ENTERED AT 17:47:28 ON 12 OCT 2004)

FILE 'REGISTRY' ENTERED AT 17:47:46 ON 12 OCT 2004

L1 SCREEN 1840
L2 SCREEN 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047
L3 STRUCTURE UPLOADED
L4 QUE L3 AND L1 NOT L2
L5 2 S L4 SSS SAM
L6 37 S L4 SSS FUL

FILE 'CAPLUS' ENTERED AT 17:48:45 ON 12 OCT 2004

L7 9 S L6

FILE 'CAOLD' ENTERED AT 17:49:18 ON 12 OCT 2004

=> s 16
L8 0 L6

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	199.75
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-6.30

STN INTERNATIONAL LOGOFF AT 17:49:29 ON 12 OCT 2004